Vinoy Thomas

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Sensitized fluorescence of Ce3+/Mn2+ system in phosphate glass. Journal of Physics and Chemistry of Solids, 2003, 64, 841-846.	4.0	701
2	Recent advances in the development of GTR/GBR membranes for periodontal regeneration—A materials perspective. Dental Materials, 2012, 28, 703-721.	3.5	555
3	Aligned PLGA/HA nanofibrous nanocomposite scaffolds for bone tissue engineering. Acta Biomaterialia, 2009, 5, 305-315.	8.3	352
4	Nanostructured Biocomposite Scaffolds Based on Collagen Coelectrospun with Nanohydroxyapatite. Biomacromolecules, 2007, 8, 631-637.	5.4	241
5	A novel spatially designed and functionally graded electrospun membrane for periodontal regeneration. Acta Biomaterialia, 2011, 7, 216-224.	8.3	202
6	Mechano-morphological studies of aligned nanofibrous scaffolds of polycaprolactone fabricated by electrospinning. Journal of Biomaterials Science, Polymer Edition, 2006, 17, 969-984.	3.5	169
7	Morphology and mechanical properties of Nylon 6/MWNT nanofibers. Polymer, 2007, 48, 1096-1104.	3.8	165
8	Fabrication and characterization of aligned nanofibrous PLGA/Collagen blends as bone tissue scaffolds. Polymer, 2009, 50, 3778-3785.	3.8	163
9	Nanostructured Biomaterials for Regenerative Medicine. Current Nanoscience, 2006, 2, 155-177.	1.2	132
10	Energy transfer in Sm3+:Eu3+ system in zinc sodium phosphate glasses. Optical Materials, 2004, 24, 671-677.	3.6	128
11	Electrospun Bioactive Nanocomposite Scaffolds of Polycaprolactone and Nanohydroxyapatite for Bone Tissue Engineering. Journal of Nanoscience and Nanotechnology, 2006, 6, 487-493.	0.9	127
12	Functionally graded electrospun scaffolds with tunable mechanical properties for vascular tissue regeneration. Biomedical Materials (Bristol), 2007, 2, 224-232.	3.3	99
13	In vitro studies on the effect of particle size on macrophage responses to nanodiamond wear debris. Acta Biomaterialia, 2012, 8, 1939-1947.	8.3	88
14	Mesenchymal Stem Cell Responses to Bone-Mimetic Electrospun Matrices Composed of Polycaprolactone, Collagen I and Nanoparticulate Hydroxyapatite. PLoS ONE, 2011, 6, e16813.	2.5	86
15	An in vitro regenerated functional human endothelium on a nanofibrous electrospun scaffold. Biomaterials, 2010, 31, 4376-4381.	11.4	85
16	Aligned Bioactive Multiâ€Component Nanofibrous Nanocomposite Scaffolds for Bone Tissue Engineering. Macromolecular Bioscience, 2010, 10, 433-444.	4.1	79
17	A biomimetic tubular scaffold with spatially designed nanofibers of protein/PDS® bioâ€blends. Biotechnology and Bioengineering, 2009, 104, 1025-1033.	3.3	78
18	Science-Based Strategies of Antiviral Coatings with Viricidal Properties for the COVID-19 Like Pandemics. Materials, 2020, 13, 4041.	2.9	71

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19	Vimentin intermediate filament assembly regulates fibroblast invasion in fibrogenic lung injury. JCI Insight, 2019, 4, .	5.0	69
20	Membranes for Periodontal Regeneration - A Materials Perspective. Frontiers of Oral Biology, 2015, 17, 90-100.	1.5	64
21	Nanofiber scaffold gradients for interfacial tissue engineering. Journal of Biomaterials Applications, 2013, 27, 695-705.	2.4	58
22	Insight into Oral Biofilm: Primary, Secondary and Residual Caries and Phyto-Challenged Solutions. Open Dentistry Journal, 2017, 11, 312-333.	0.5	58
23	Freeze-dried acellular dermal matrix graft: Effects of rehydration on physical, chemical, and mechanical properties. Dental Materials, 2009, 25, 1109-1115.	3.5	53
24	In Vitro Studies on the Effect of Physical Cross-Linking on the Biological Performance of Aliphatic Poly(urethane urea) for Blood Contact Applications. Biomacromolecules, 2001, 2, 588-596.	5.4	51
25	Electrospinning of novel biodegradable poly(ester urethane)s and poly(ester urethane urea)s for soft tissue-engineering applications. Journal of Materials Science: Materials in Medicine, 2009, 20, 2129-2137.	3.6	51
26	Hydroxyapatite nanoparticle loaded collagen fiber composites: Microarchitecture and nanoindentation study. Journal of Biomedical Materials Research - Part A, 2008, 86A, 873-882.	4.0	50
27	Nanocellulose based functional materials for supercapacitor applications. Journal of Science: Advanced Materials and Devices, 2019, 4, 333-340.	3.1	47
28	<i>In vitro</i> biodegradation of designed tubular scaffolds of electrospun protein/polyglyconate blend fibers. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2009, 89B, 135-147.	3.4	44
29	Optical analysis of samarium doped sodium bismuth silicate glass. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 171, 144-148.	3.9	38
30	Synthesis of hydrolytically stable low elastic modulus polyurethane-urea for biomedical applications. Polymer International, 2000, 49, 88-92.	3.1	37
31	Two ply tubular scaffolds comprised of proteins/poliglecaprone/polycaprolactone fibers. Journal of Materials Science: Materials in Medicine, 2010, 21, 541-549.	3.6	37
32	NIR to UV absorption spectra and the optical constants of phthalocyanines in glassy medium. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2003, 59, 1-11.	3.9	36
33	Fibro-porous PLLA/gelatin composite membrane doped with cerium oxide nanoparticles as bioactive scaffolds for future angiogenesis. Journal of Materials Chemistry B, 2020, 8, 9110-9120.	5.8	33
34	Spectroscopic studies of Cu2+ ions in sol-gel derived silica matrix. Bulletin of Materials Science, 2002, 25, 69-74.	1.7	32
35	Dimensionally stable and bioactive membrane for guided bone regeneration: An <i>in vitro</i> study. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2016, 104, 594-605.	3.4	30
36	Structural and optical characterization of Eu3+/CdSe nanocrystal containing silica glass. Materials Chemistry and Physics, 2006, 96, 381-387.	4.0	28

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37	Acellular dermal matrix graft: Synergistic effect of rehydration and natural crosslinking on mechanical properties. Journal of Biomedical Materials Research - Part B Applied Biomaterials, 2010, 95B, 276-282.	3.4	28
38	Electrospinning of Biosyn®-based tubular conduits: Structural, morphological, and mechanical characterizations. Acta Biomaterialia, 2011, 7, 2070-2079.	8.3	28
39	Electrospun polycaprolactone/polyglyconate blends: Miscibility, mechanical behavior, and degradation. Polymer, 2013, 54, 6824-6833.	3.8	28
40	Energy transfer in Rh 6G:Rh B system in PMMA matrix under cw laser excitation. Journal of Photochemistry and Photobiology A: Chemistry, 2002, 153, 145-151.	3.9	27
41	New Magneto-Fluorescent Hybrid Polymer Nanogel for Theranostic Applications. ACS Applied Bio Materials, 2019, 2, 757-768.	4.6	27
42	Optical Characterization of Eu3+Ions in CdSe Nanocrystal Containing Silica Glass. Journal of Fluorescence, 2004, 14, 733-738.	2.5	26
43	Engineering an antiplatelet adhesion layer on an electrospun scaffold using porcine endothelial progenitor cells. Journal of Biomedical Materials Research - Part A, 2011, 97A, 145-151.	4.0	26
44	Spatially controlled fabrication of a bright fluorescent nanodiamond-array with enhanced far-red Si-V luminescence. Nanotechnology, 2014, 25, 045302.	2.6	26
45	Application of a modified Judd–Ofelt theory to Pr3+ doped phosphate glasses and the evaluation of radiative properties. Journal of Non-Crystalline Solids, 2003, 319, 89-94.	3.1	25
46	Polypropylene fumarate/phloroglucinol triglycidyl methacrylate blend for use as partially biodegradable orthopaedic cement. Biomaterials, 2001, 22, 2749-2757.	11.4	24
47	Cell Interactions with Biomaterials Gradients and Arrays. Combinatorial Chemistry and High Throughput Screening, 2009, 12, 544-553.	1.1	24
48	Wet-laid soy fiber reinforced hydrogel scaffold: Fabrication, mechano-morphological and cell studies. Materials Science and Engineering C, 2016, 63, 308-316.	7.3	24
49	Nanomechanical Properties of Electrospun Composite Scaffolds Based on Polycaprolactone and Hydroxyapatite. Journal of Nanoscience and Nanotechnology, 2009, 9, 4839-4845.	0.9	23
50	A new generation of high flex life polyurethane urea for polymer heart valve—Studies on <i>in vivo</i> biocompatibility and biodurability. Journal of Biomedical Materials Research - Part A, 2009, 89A, 192-205.	4.0	22
51	Fluorescence enhancement from Eu3+ ions in CdSe nanocrystal containing silica matrix hosts. Materials Letters, 2003, 57, 1051-1055.	2.6	21
52	2D materials as a diagnostic platform for the detection and sensing of the SARS-CoV-2 virus: a bird's-eye view. Journal of Materials Chemistry B, 2021, 9, 4608-4619.	5.8	21
53	Optical properties of porphyrins in borate glassy matrix. Materials Chemistry and Physics, 2002, 73, 206-211.	4.0	20
54	Studies on the growth and optical characterization of dysprosium gadolinium oxalate single crystals. Crystal Research and Technology, 2004, 39, 105-110.	1.3	20

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55	Portable perfusion phantom for quantitative <scp>DCE</scp> â€ <scp>MRI</scp> of the abdomen. Medical Physics, 2017, 44, 5198-5209.	3.0	20
56	Nonlinear optical limiting and dual beam mode matched thermal lensing of nano fluids containing green synthesized copper nanoparticles. Journal of Molecular Liquids, 2019, 279, 63-66.	4.9	20
57	Finite Element Modeling of the Fiber-Matrix Interface in Polymer Composites. Journal of Composites Science, 2020, 4, 58.	3.0	19
58	Studies on the effect of virtual crosslinking on the hydrolytic stability of novel aliphatic polyurethane ureas for blood contact applications. Journal of Biomedical Materials Research Part B, 2001, 56, 144-157.	3.1	18
59	Nanoindentation on Porous Bioceramic Scaffolds for Bone Tissue Engineering. Journal of Nanoscience and Nanotechnology, 2005, 5, 1816-1820.	0.9	18
60	Nanostructured diamond coatings for orthopaedic applications. , 2013, 2013, 105-150.		18
61	Fibroâ€porous poliglecaprone/polycaprolactone conduits: synergistic effect of composition and <i>in vitro</i> degradation on mechanical properties. Polymer International, 2015, 64, 547-555.	3.1	18
62	Prehospital Electrocardiogram and Early Helicopter Dispatch to Expedite Interfacility Transfer for Percutaneous Coronary Intervention. Critical Pathways in Cardiology, 2006, 5, 155-159.	0.5	17
63	Biodegradable polyurethanes: Comparative study of electrospun scaffolds and films. Journal of Applied Polymer Science, 2011, 121, 3292-3299.	2.6	17
64	Tissue Engineering Strategies for Retina Regeneration. Applied Sciences (Switzerland), 2021, 11, 2154.	2.5	17
65	The effect of virtual cross linking on the oxidative stability and lipid uptake of aliphatic poly(urethane urea). Biomaterials, 2002, 23, 273-282.	11.4	16
66	Non-equilibrium hybrid organic plasma processing for superhydrophobic PTFE surface towards potential bio-interface applications. Colloids and Surfaces B: Biointerfaces, 2019, 183, 110463.	5.0	16
67	Non-equilibrium organosilane plasma polymerization for modulating the surface of PTFE towards potential blood contact applications. Journal of Materials Chemistry B, 2020, 8, 2814-2825.	5.8	16
68	Harnessing additive manufacturing for magnesium-based metallic bioimplants: Recent advances and future perspectives. Current Opinion in Biomedical Engineering, 2021, 17, 100264.	3.4	16
69	Atmospheric pressure plasma jet: A facile method to modify the intimal surface of polymeric tubular conduits. Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films, 2018, 36, .	2.1	15
70	Morphology dependent nonlinear optical and photocatalytic activity of anisotropic plasmonic silver. RSC Advances, 2018, 8, 41288-41298.	3.6	14
71	Ecoâ€friendly thermal insulation material from cellulose nanofibre. Journal of Applied Polymer Science, 2020, 137, 48272.	2.6	14
72	Effect of silver nanoparticles on the dielectric properties of holmium doped silica glass. Physica B: Condensed Matter, 2010, 405, 1513-1517.	2.7	13

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73	Judd–Ofelt analysis of Pr3+ ions in Sr1.5Ca0.5SiO4 and Sr0.5Ca0.5TiO3 host matrices. Optical Materials, 2016, 51, 62-69.	3.6	13
74	Polymeric Nanogels for Theranostic Applications: A Mini-Review. Current Nanoscience, 2020, 16, 392-398.	1.2	13
75	Radiative parameters of Eu3+ ions in CdSe nanocrystal containing silica matrices. Physica B: Condensed Matter, 2005, 357, 270-276.	2.7	11
76	Biomechanical studies on aliphatic physically crosslinked poly(urethane urea) for blood contact applications. Journal of Materials Science: Materials in Medicine, 2008, 19, 2721-2733.	3.6	11
77	In vitro degradation and cell attachment studies of a new electrospun polymeric tubular graft. Progress in Biomaterials, 2015, 4, 67-76.	4.5	11
78	Dusty-Plasma-Assisted Synthesis of Silica Nanoparticles for in Situ Surface Modification of 3D-Printed Polymer Scaffolds. ACS Applied Nano Materials, 2020, 3, 7392-7396.	5.0	11
79	A rheometer to measure the viscoelastic properties of polymer melts at ultrasonic frequencies. Review of Scientific Instruments, 1994, 65, 2395-2401.	1.3	10
80	Lab-on-a-brane: nanofibrous polymer membranes to recreate organ–capillary interfaces. Journal of Micromechanics and Microengineering, 2016, 26, 035013.	2.6	10
81	Evidence for enhanced optical properties through plasmon resonance energy transfer in silver silica nanocomposites. Nanotechnology, 2016, 27, 085701.	2.6	10
82	Hemopressin-Based pH-Sensitive Hydrogel: A Potential Bioactive Platform for Drug Delivery. ACS Biomaterials Science and Engineering, 2018, 4, 2435-2442.	5.2	10
83	Metal free, phosphorus doped carbon nanodot mediated photocatalytic reduction of methylene blue. Reaction Kinetics, Mechanisms and Catalysis, 2020, 129, 1131-1143.	1.7	10
84	Nonthermal plasma processing for nanostructured biomaterials and tissue engineering scaffolds: A mini review. Current Opinion in Biomedical Engineering, 2021, 17, 100259.	3.4	10
85	A single quartz crystal to measure dynamic elastic moduli at several ultrasonic frequencies. Review of Scientific Instruments, 1993, 64, 492-494.	1.3	9
86	The relation of dynamic elastic moduli, mechanical damping and mass density to the microstructure of some glass-matrix composites. Journal of Materials Science, 1994, 29, 1670-1675.	3.7	9
87	Plasmonic and Energy Studies of Ag Nanoparticles in Silica-Titania Hosts. Plasmonics, 2014, 9, 631-636.	3.4	9
88	Fiber length and concentration: Synergistic effect on mechanical and cellular response in wet-laid poly(lactic acid) fibrous scaffolds. , 2019, 107, 332-341.		9
89	HuBiogel incorporated fibro-porous hybrid nanomatrix graft for vascular tissue interfaces. Materials Today Chemistry, 2020, 17, 100323.	3.5	9
90	Dietary Oxalate Induces Urinary Nanocrystals in Humans. Kidney International Reports, 2020, 5, 1040-1051.	0.8	9

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91	A combined compression molding, heating, and leaching process for fabrication of micro-porous poly(Îμ-caprolactone) scaffolds. Journal of Biomaterials Science, Polymer Edition, 2018, 29, 1978-1993.	3.5	8
92	Nanoscience and quantum science-led biocidal and antiviral strategies. Journal of Materials Chemistry B, 2021, 9, 7328-7346.	5.8	8
93	Studies on Polyurethane Potting Compound Based on Isocyanurate of Aliphatic Diisocyanate for Fabrication of a Haemodialyser. Journal of Biomaterials Applications, 2000, 15, 86-105.	2.4	7
94	Direct Sol–Gel Electrospinning of Fibrous Bioglass Scaffolds for Bone Tissue Engineering. Journal of Biomaterials and Tissue Engineering, 2013, 3, 440-447.	0.1	7
95	Plasma Electroless Reduction: A Green Process for Designing Metallic Nanostructure Interfaces onto Polymeric Surfaces and 3D Scaffolds. ACS Applied Materials & Interfaces, 2022, 14, 25065-25079.	8.0	7
96	Spectroscopic characterization of chromium in sol–gel derived silica. Materials Chemistry and Physics, 2003, 77, 826-830.	4.0	6
97	Carbon Nanofiber Reinforced Polycaprolactone Fibrous Meshes by Electrostatic Co-spinning. Current Nanoscience, 2012, 8, 753-761.	1.2	6
98	Nanofiber and Stem Cell Enabled Biomimetic Systems and Regenerative Medicine. Journal of Nanoscience and Nanotechnology, 2016, 16, 8923-8934.	0.9	6
99	Spectral and Non Radiative Decay Studies of Lead Di Bromide Single Crystals by Mode Matched Thermal Lens Technique. Journal of Fluorescence, 2016, 26, 1161-1165.	2.5	6
100	Uni-Directionally Oriented Fibro-Porous PLLA/Fibrin Bio-Hybrid Scaffold: Mechano-Morphological and Cell Studies. Pharmaceutics, 2022, 14, 277.	4.5	6
101	Mechanical Behavior of Polyester Nonwoven Composite Films. Journal of Plastic Film and Sheeting, 1997, 13, 212-220.	2.2	5
102	Structural Evolution and Fluorescence Properties of Dy3+: Silica Matrix. Journal of Sol-Gel Science and Technology, 2005, 33, 269-274.	2.4	5
103	Effect of Surface Oxides and Intermetallics on Nanostructured Diamond Coating of Nitinol. Current Nanoscience, 2006, 2, 9-12.	1.2	5
104	Biohybrid Fibro-Porous Vascular Scaffolds: Effect of Crosslinking on Properties. Materials Research Society Symposia Proceedings, 2015, 1718, 79-84.	0.1	5
105	Tunable light emission using crystalline carbon dots. Journal of Optics (India), 2019, 48, 288-293.	1.7	5
106	Novel magneto-plasma processing for enhanced modification of electrospun biomaterials. Materials Letters, 2019, 250, 96-98.	2.6	5
107	Plasmon Based Cellulose Nano Fibril–PVA Film for Effective Ultra Violet Radiation Blocking. Journal of Cluster Science, 2020, 31, 1147-1154.	3.3	5

108 Tissue engineering of small-diameter vascular grafts. , 2020, , 79-100.

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109	Synthesis, characterization and evaluation of tunable thermal diffusivity of phosphorus-doped carbon nanodot. Applied Physics A: Materials Science and Processing, 2020, 126, 1.	2.3	5
110	Novel Poly(ester urethane urea)/Polydioxanone Blends: Electrospun Fibrous Meshes and Films. Molecules, 2021, 26, 3847.	3.8	5
111	Effect of temperature and frequency on the dielectric properties of cellulose nanofibers from cotton. Journal of Materials Science: Materials in Electronics, 2021, 32, 21213-21224.	2.2	5
112	Kink-free electrospun PET/PU-based vascular grafts with 3D-printed additive manufacturing reinforcement. Journal of Materials Research, 2021, 36, 4013-4023.	2.6	5
113	Biphasic organo-bioceramic fibrous composite as a biomimetic extracellular matrix for bone tissue regeneration. Frontiers in Bioscience - Elite, 2017, 9, 192-203.	1.8	4
114	Nanodiamonds as "magic bullets―for prostate cancer theranostics. , 2018, , 333-356.		4
115	Characterization of discontinuous carbon fiber liquid molded PA-6 composites via strategic placement of additional reinforcements. Journal of Reinforced Plastics and Composites, 2018, 37, 1335-1345.	3.1	4
116	Evaluation of Viscoelastic Properties, Blood Coagulation, and Cellular Responses of a Temperature-Sensitive Gel for Hemostatic Application. ACS Applied Bio Materials, 2020, 3, 3137-3144.	4.6	4
117	Nanocomposite Scaffolds Based on Electrospun Polycaprolactone/Modified CNF/Nanohydroxyapatite by Electrophoretic Deposition. Journal of Biomaterials and Tissue Engineering, 2011, 1, 177-184.	0.1	4
118	Nano and Microbubble Systems for On-Demand Cancer Drug Delivery. Current Nanoscience, 2017, 14, 33-41.	1.2	4
119	Upconversion fluorescence in Sm3+-doped zinc phosphate glassy matrix. Journal of Modern Optics, 2005, 52, 2687-2694.	1.3	3
120	Ceramic Coatings in Load-Bearing Articulating Joint Implants. , 2017, , 315-347.		3
121	Novel Biomimetic Microphysiological Systems for Tissue Regeneration and Disease Modeling. Advances in Experimental Medicine and Biology, 2018, 1077, 87-113.	1.6	3
122	Low-temperature inductively coupled plasma as a method to promote biomineralization on 3D printed poly(lactic acid) scaffolds. Journal of Materials Science, 2021, 56, 14717-14728.	3.7	3
123	Patterning of Nano-Hydroxyapatite onto SiO2 and Electro-spun Mat Surfaces Using Dip-Pen Nanolithography. Journal of Molecular Structure, 2021, 1237, 130320.	3.6	3
124	Recent mitigation strategies in engineered healthcare materials towards antimicrobial applications. Current Opinion in Biomedical Engineering, 2022, 22, 100377.	3.4	3
125	Measurement of young's modulus and damping as a function of temperature in a borosilicate glass-matrix composite with continuous ceramic fibres. Journal of Materials Science Letters, 1995, 14, 1555-1557.	0.5	2
126	Spectral and Lensing Characteristics of Gel-Derived Strontium Tartrate Single Crystals Using Dual-Beam Thermal Lens Technique. Journal of Fluorescence, 2016, 26, 1549-1554.	2.5	2

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127	Advanced Manufacturing for Biomaterials and Biological Materials, Part I. Jom, 2020, 72, 1151-1153.	1.9	2
128	PLA/HA Multiscale Nano-/Micro-Hybrid 3D Scaffolds Provide Inductive Cues to Stems Cells to Differentiate into an Osteogenic Lineage. Jom, 2021, 73, 3787.	1.9	2
129	Measuring the viscoelastic properties of an ethylene4-tetrafluoroethylene copolymer at ultrasonic frequncies. Polymer Engineering and Science, 1995, 35, 1053-1060.	3.1	1
130	A tensile stage to study thin polymer films in an environmental scanning electron microscope. Review of Scientific Instruments, 1998, 69, 463-465.	1.3	1
131	<title>Nonlinear optical properties of copolyesters containing azobenzene functionality and chiral groups</title> . , 1998, 3321, 418.		1
132	Studies on polyurethane potting compound based on HDI-TMP adduct for fabrication of haemodialyzer. Journal of Materials Science: Materials in Medicine, 2001, 12, 157-161.	3.6	1
133	Fluorescence Studies of Dy3+ Ions in Silica Sol Gel. Asian Journal of Chemistry, 2015, 27, 1626-1630.	0.3	1
134	Optical characterization and Judd-Ofelt analysis of Pr 3+ ions in sol-gel derived zirconia/polyethylene glycol composite. Optical Materials, 2018, 76, 184-190.	3.6	1
135	Nanomaterial-Based Bio Scaffolds for Enhanced Biomedical Applications. , 2021, , 125-160.		1
136	Synthesis of hydrolytically stable low elastic modulus polyurethaneâ€urea for biomedical applications. Polymer International, 2000, 49, 88-92.	3.1	1
137	Green Synthesized Plasmonic Silver Systems for Potential Non-Linear Optical Applications: Optical Limiting and Dual Beam Mode Matched Thermal Lensing. Australian Journal of Chemistry, 2019, 72, 460.	0.9	1
138	Dimensionally Stable Fiber-Reinforced Hydrogels for Tissue Engineering Scaffolds. Current Tissue Engineering, 2016, 05, 1-1.	0.2	1
139	Low-Temperature Air Plasma Modification of Electrospun Soft Materials and Bio-interfaces. Minerals, Metals and Materials Series, 2019, , 819-826.	0.4	1
140	Magnetic and Fluorescent Nanogels for Nanomedicine. Gels Horizons: From Science To Smart Materials, 2021, , 73-105.	0.3	1
141	Future of nanotechnology in tissue engineering. , 2022, , 193-236.		1
142	The fracture toughness of a fiber reinforced polymeric film. , 1996, , .		0
143	Structural evolution and fluorescence properties of Dy3+: silica matrix. , 2002, 4905, 560.		0
144	Compositionally Modified Hydroxyapatite Nanocrystals for Polymer/Ceramic Scaffold Applications. Materials Research Society Symposia Proceedings, 2005, 897, 1.	0.1	0

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145	Synthesis and Evaluation of Carboxyâ€Terminated Poly(trimethylene propane) Tj ETQq1 1 0.784314 rgBT /Overlo Technology, 2013, 32, .	ock 10 Tf 5 1.7	0 747 Td (tr 0
146	Structural and plasmonic studies of Ag nanoparticles in silica glass hosts. IOP Conference Series: Materials Science and Engineering, 2013, 43, 012005.	0.6	0
147	Sol-Gel Synthesis and Spectroscopic Analysis of Chromium in Sol Gel Silica. Asian Journal of Chemistry, 2013, 25, 6767-6770.	0.3	0
148	Nonlinear optical studies of calcium tartrate crystals. Journal of Taibah University for Science, 2019, 13, 611-615.	2.5	0
149	Advanced Manufacturing for Biomaterials and Biological Materials, Part II. Jom, 2020, 72, 1432-1434.	1.9	0
150	Muscle tissue engineering – A materials perspective. , 2021, , 249-274.		0
151	Spatially Designed Nanofibrous Membranes for Periodontal Tissue Regeneration. , 2012, , 141-168.		0
152	The Effect of Fiber Coating on the Temperature Dependence of the Elastic and Anelastic Properties of a Fiber-Reinforced Borosilicate Glass Matrix Composite. Journal of Testing and Evaluation, 1996, 24, 237-240.	0.7	0
153	Adhesion of Human Umbilical Vein Endothelial Cells (HUVEC) on PTFE Material Following Surface Modification by Low Temperature Plasma Treatment. FASEB Journal, 2019, 33, 603.3.	0.5	0